

USPTO SN: 10/042,511

Bischoff et al.

Reply to Office Action mailed March 9, 2004

Amendment to the Specification:

Replace the paragraphs beginning on page 11, line 14, with the following amended paragraphs:

As depicted in FIG. 8, the adapter plate 742 includes a first fluid channel 744 794 that includes a first input port 748 and first output port 750. The first input port 748 is in fluid communication with the first isolator membrane 728. As shown in the embodiment in FIG. 8, a first spacer element 752 is preferably coupled within the first output port 750. The first spacer element 752 has a second fluid channel 754 that includes a second input port 756 and a second output port 758. The second input port 756 is in fluid communication with the first fluid channel 744 794 and configured to receive pressure transmission fluid from the first fluid channel 744 794 while the second output port 758 is adapted for coupling with a sensor 706. The spacer element 752 may be coupled to the sensor 706 in any one of numerous methods including, but not limited to, friction fitting or threading.

In this embodiment, the first fluid channel 744 794 also includes a second input port 760 that is used as a fill port to allow a pressure transmission fluid to be inserted into the first fluid channel 744 794. Once the pressure transmission fluid is fully inserted, the fill port 740 is closed off in an air-tight manner. Again, the pressure transmission fluid may be any one of numerous substantially incompressible fluids such as water or silicone oil.